1	CLAIM LISTING	
2	1-16	(Canceled)
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4	17.	(Currently Amended) A clamping or braking device comprising:
5		a housing having a stop area;
6		at least one plate-likeplate-shaped element held in the housing and supported with
7		a first end with respect to the stop area of the housing, the plate-likeplate-shaped element
8		for transferring clamping or braking forces with a second end to an object;
9		wherein the plate-shaped element has at least one bending area which is convex in
10		a starting state, which is pressure-resistant and nevertheless elastically deformable so that
11		the bending area forms an elastic element between the stop area of the housing and the
12 .		second end of the plate-shaped element;
13		wherein a pressure space is formed between the convex side of the at least one
14		bending area of the at least one plate-likeplate-shaped element and the housing and the
15		pressure space can be acted on with excess pressure of a pressure medium which can be
16		supplied to the housing;
17		wherein the plate-like element has at least one bending area which is convex in a
18		starting state, which is pressure-resistant and nevertheless elastically deformable so that
19		the bending area forms an elastic element between the stop area of the housing and the
20		second end of the plate-like element;

1 wherein the at least one plate-likeplate-shaped element is so constructed that 2 when the pressure space is acted on with excess pressure, a movement of the second end 3 of the at least one plate-likeplate-shaped element takes place in the direction of the object 4 as a result of a reduction of the curvature of the bending area; or an increase in the 5 clamping or braking forces which can be transferred to the object by second end of the 6 plate-likeplate-shaped element is brought about; 7 wherein the at least one plate-likeplate-shaped element includes either a) radial 8 slits which open inwardly, wherein the second end of the plate-likeplate-shaped element 9 is formed by the inside end of the plate-likeplate-shaped element; or b) radial slits which 10 open outwardly, wherein the second end of the plate-likeplate-shaped element is formed 11 by the outside end of the plate-likeplate-shaped element; and 12 one or more sealing elements disposed along the surface of the at least one plate-13 likeplate-shaped element, at least in the area of the radial slits, inside or outside, relative 14 to the pressure space. 15 16 18. (Currently Amended) The device of claim 17 wherein the first end of the at least one 17 plate-likeplate-shaped element is connected to the housing. 18 19 19. (Currently Amended) The device of claim 17 wherein the first end of the at least one 20 plate-likeplate-shaped element is supported against the housing.

1	20.	(Currently Amended) The device of claim 1/ wherein the at least one plate-likeplate-
2		shaped element is constructed in the shape of a circular ring.
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4	21.	(Currently Amended) The device of claim 20 wherein the ring-shaped, plate-likeplate-
5		shaped element is constructed convex, in the starting state, over essentially the entire
6		radial cross section, wherein essentially an entire ring-shaped wall of the ring-shaped,
7		plate-likeplate-shaped element serves as athe bending area.
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9	22.	(Currently Amended) The device of claim 21 wherein the one or more sealing elements
10		are constructed in the form of a deformable layer on at least part of the surface of the
11		ring-shaped, plate-likeplate-shaped element.
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13	23.	(Currently Amended) The device of claim 17 wherein the at least one plate-likeplate-
14		shaped element is constructed in such a way as to limit the bending of the at least one
15		bending area in such a way that after discontinuation of pressure space pressurization
16		with excess pressure, as the result of the elastic effect of at least one bending area, the
17		bending area is moved back to the starting state.
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19	24.	(Currently Amended) The device of claim 17 wherein several plate-likeplate-shaped
20		elements are provided, whose second ends have a predetermined interval, in order to
21		transfer clamping or braking forces to the object over a prespecified expanded area, and

wherein for each <u>plate-likeplate-shaped</u> element, a separate pressure space or for several or all <u>plate-likeplate-shaped</u> elements, a common pressure space is constructed.

25. (Currently Amended) The device of claim 17 wherein at least one pair of plate-likeplate-shaped elements is provided, whose first and second ends are directly adjacent or are at a close distance to one another and their bending areas are constructed to bend convex outwardly, relative to the other plate-likeplate-shaped element of the pair, and wherein a common pressure space is provided for the pressurization of the bending areas of the two plate-likeplate-shaped elements of the pair.

26.

(Currently Amended) The device of claim 25 wherein the plate-likeplate-shaped elements are constructed in such a manner that they lie close to one another, in an ending state characterized by pressurization at an excess pressure which is greater or equal to a prespecified maximum pressure, with at least one partial surface area of the plate-likeplate-shaped elements' respective bending areas facing one another, wherein the ending state is characterized by a suitable formation of the bending areas in such a manner that an automatic return from the ending state to the pressure-less starting state takes place upon removal of the excess pressure.

1	27.	(Currently Amended) A clamping or braking device comprising:
2		a housing having a stop area;
3		at least one plate-likeplate-shaped element held in the housing and supported with
4		a first end with respect to the stop area of the housing, the plate-likeplate-shaped element
5		for transferring clamping or braking forces with a second end to a pressurizable element,
6		the pressurizable element for transferring the clamping or braking forces to an object;
7		wherein the plate-shaped element has at least one bending area which is convex in
8		a starting state, which is constructed pressure-resistant and nevertheless elastically
9		deformable so that the bending area forms an elastic element between the stop area of the
10		housing and the pressurizable element;
11		wherein a pressure space is formed between the convex side of the at least one
12		bending area of the at least one plate-likeplate-shaped element and the housing and the
13		pressure space can be acted on with excess pressure of a pressure medium which can be
14		supplied to the housing;
15		wherein the plate-like element has at least one bending area which is convex in a
16		starting state, which is constructed pressure resistant and nevertheless elastically
17		deformable so that the bending area forms an elastic element between the stop area of the
18		housing and the pressurizable element;
19		wherein the at least one plate-likeplate-shaped element is so constructed that
20		when the pressure space is acted on with excess pressure provided to attain or increase

clamping or braking forces, a movement of the second end of the at least one plate-

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likeplate-shaped element takes place in the direction of the pressurizable element as a result of a reduction of the curvature of the bending area; or an increase in the clamping and/or braking forces, which can be transferred to the object by pressurizable element, is brought about;

wherein the at least one plate-likeplate-shaped element includes either a) radial slits which open inwardly, wherein the second end of the plate-likeplate-shaped element is formed by the inside end of the plate-likeplate-shaped element; or b) radial slits which open outwardly, wherein the second end of the plate-likeplate-shaped element is formed by the outside end of the plate-likeplate-shaped element; and

one or more sealing elements disposed along the surface of the at least one platelikeplate-shaped element, at least in the area of the slits, inside or outside, relative to the pressure space.

28.

(Currently Amended) The device of claim 27 wherein the pressurizable element is constructed as either a) one piece with the housing and as a part of the housing, or b) a part connected to the housing in a detachable manner, wherein the pressurizable element is constructed deformable in such a way that with a pressurization of the pressure space, a movement of at least one section of the pressurizable element takes place in the direction of the object or the transferrable clamping or braking forces, which were produced by the at least one plate-likeplate-shaped element, are transferred to the object.

1	29.	(Currently Amended) The device of claim 27, wherein the first end of the at least one
2		plate-likeplate-shaped element is connected to the housing.
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4	30.	(Currently Amended) The device of claim 27, wherein the first end of the at least one
5		plate-likeplate-shaped element is supported, without a firm connection, against the
6		housing, and the second end of the at least one plate-likeplate-shaped element is
7		supported, without a firm connection, against the pressurizable element.
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9	31.	(Currently Amended) The device of claim 27 wherein the at least one plate-likeplate-
10		shaped element is constructed in the shape of a circular ring.
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12	32.	(Currently Amended) The device of claim 31 wherein the ring-shaped, plate-likeplate-
13		shaped element is constructed convex, in the starting state, over essentially the entire
14		radial cross section, wherein essentially an entire ring-shaped wall of the ring-shaped,
15		plate-likeplate-shaped element serves as a bending area.
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17	33.	(Currently Amended) The device of claim 32 wherein the one or more sealing elements
18		are constructed in the form of a deformable layer on at least part of the surface of the
19		ring-shaped, plate-like plate-shaped element.
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1	34.	(Currently Amended) The device of claim 27 wherein the at least one plate-likeplate-
2		shaped element is constructed in such a way as to limit the bending of the at least one
3		bending area in such a way that after discontinuation of pressure space pressurization
4		with excess pressure, as the result of the elastic effect of at least one bending area, the
5		bending area is moved back to the starting state.
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7	35.	(Currently Amended) The device of claim 27 wherein several plate-likeplate-shaped
8		elements are provided, whose second ends have a predetermined interval, in order to
9		transfer clamping or braking forces to the object over a prespecified expanded area, and
10		wherein for each plate-likeplate-shaped element, a separate pressure space or for several
11		or all plate-likeplate-shaped elements, a common pressure space is constructed.
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13	36.	(Currently Amended) The device of claim 35 wherein the pressurizable element is
14		constructed rigidly in the entire area in which the several plate-likeplate-shaped elements
15		are active.
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17	37.	(Currently Amended) The device of claim 27 wherein at least one pair of plate-likeplate-
18		shaped elements is provided, whose first and second ends are directly adjacent or are at a

close distance to one another and their bending areas are constructed to bend convex

outwardly, relative to the other plate-likeplate-shaped element of the pair, and wherein a

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common pressure space is provided for the pressurization of the bending areas of the two

plate-likeplate-shaped elements of the pair.

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(Currently Amended) The device of claim 27 wherein the plate-likeplate-shaped elements are constructed in such a manner that they lie close to one another, in an ending state characterized by pressurization at an excess pressure which is greater or equal to a prespecified maximum pressure, with at least one partial surface area of the plate-likeplate-shaped elements' bending areas facing one another, wherein the ending state is characterized by a suitable formation of the bending areas in such a manner that an automatic return from the ending state to the pressure-less starting state takes place upon removal of the excess pressure.